Math Online School

Metric Units of Length: Place Value Chart



Enter the lengths in the place-value chart, then write them as decimal numbers.

	m			dm	cm	mm	
	H	T	O	0	0	0	
23 cm 5 mm				2	3	5	23.5 cm
4 m 80 cm			4	8	0		4.80 m
28 m 1 cm		2	8	0	1		28.01 m

If a decimal number ends in one or more zeros, those zeros can be omitted.

Length	m			dm	cm	mm	Length in m, dm, and cm as a decimal number
	H	T	O	0	0	0	
5 dm 6 cm							dm
26 m 7 dm							m
28 cm 5 mm							cm
260 m 3 cm							m
29 m 5 mm							m
8 cm 1 mm							cm
14 dm 2 cm							dm
7 m 55 cm							m
3 dm 23 mm							dm
24 m 76 mm							m
10 dm 50 mm							dm

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Length	m			dm	cm	mm	Length in m, dm, and cm as a decimal number	
	H	T	O	O	O	O		
5 dm 6 cm				5	6		5.6	dm
26 m 7 dm		2	6	7			26.7	m
28 cm 5 mm				2	8	5	28.5	cm
260 m 3 cm	2	6	0	0	3		260.03	m
29 m 5 mm		2	9	0	0	5	29.005	m
8 cm 1 mm					8	1	8.1	cm
14 dm 2 cm			1	4	2		14.2	dm
7 m 55 cm			7	5	5		7.55	m
3 dm 23 mm				3	2	3	3.23	dm
24 m 76 mm		2	4	0	7	6	24.076	m
10 dm 50 mm			1	0	5	0	10.5 ~~0~~ dm 10.5	dm